

QUA-RAE

HERE IS NEWS OF THE RADIO ASSOCIATION OF ERIE, INC.

VOL. II No. 8

SERVING TRI-STATE AMATEURS FOR 26 YEARS

MARCH, 1971

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THE CLUB WITH ALL THE ACTION - RAE

BUSINESS MEETING - MARCH 4

ACTIVITIES MEETING MARCH 25

THE RADIO ASSOCIATION OF ERIE, INC.
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OUR 26th YEAR OF SERVICE

***** RAE MINUTES *****
February 4, 1971

The meeting was called to order at 8:15 PM by President K3UPC, John Squire.

Officers present: K3UPC; K3VXE, Ron Jakubowski; WA3KAI, Chuck Manross; WA3MAU, Joe Mieczkowski.

Directors present: W3SN, Bart Geer; K3VLP, George Dickey; WA3GIV, Fred Tate; W3KPM, Tom Schwab; WA3HDK, Bob Bair.

The January 7th minutes were read and approved as corrected.

The Treasurers report which indicated a balance of \$426.53 was also approved.

CORRESPONDENCE: The following correspondence was read by K3VXE.

- (1) Letter from Arthur Godfrey's agent declining invitation to 1971 HAMFEST.
- (2) Letter from James Carter Insurance Co. advising of RAE's insurance coverage.
- (3) Letter from Dave Flinn, W2CFP advising of expected arrival for Feb. activities meeting.
- (4) Letter from ARRL Deputy Comm. Mgr. commenting on QUA-RAE.
- (5) Letter from ARRL Editors acknowledging receipt of W3KT's photographs.
- (6) Letter from Harry McConaghy, W3EPC, ARRL Atlantic Division Director commenting on the letter of K3VXE requesting change in RAE selection of Assistant Director.
- (7) Letter from Addressograph Co. advising of changes in accounts with that company.
- (8) Letter from Bob Greenwald of Canadian Repeater Council, thanking the RAE for assistance in printing the past council minutes.
- (9) Letter and plan from "73" Magazine regarding new subscription and circulation program.

ACTIVITIES:

K3VXE reminded members of the February activities meeting once again. Dave Flinn, W2CFP, will arrive in Erie on Feb. 17 and on Thursday take a tour of the EOC and be a guest on TV. Thursday's meeting is set for 8:00 PM in the Zurn Science Center. Flyers have been made and will be mailed and distributed locally as soon as possible.

K3VXE is also trying to get the week of Feb. 14 declared as "Amateur Radio Week". W3KPM is to check with the Mayor's assistant and the County Commissioners on this matter.

COMMITTEES:

WA3HSR, Mike Hall, advised that the February QUA-RAE goes to press next week and now will carry a regular monthly article on the repeater activity. Mike reported that out of 95-100 new memberships, 35 were known to be ARRL members.

WA3GIV reported that the COM Truck was recently inspected. Fred also stated that thanks to a working party, the rotor and beam at the EOC is now in shape for the DX Contest on February 6 and 7.

K3VXE elaborated on the SET test run last weekend. In spite of the elaborate plans established by the EC, Barry Capell, WA3GSH, the SET was a complete failure. The net activated on six meters was the only accomplishment of the test while the ten meter net was operated very inefficiently.

W3KPM commented on the Hospital Net, activated during the SET weekend. Tom said that this years CD-Welfare drive-out will be organized by the Corry CD authorities and the Erie County CD people were to handle the teletype equipment.

***** RAE MINUTES *****
(continued)

COMMITTEES: (cont)

W3ZLO, Chuck Smith, reported that the repeater is now in operation temporarily until the antennas are permanently mounted on the Police Tower. Chuck also described the operation of the repeater and its various functions. Printed instructions are to be available later.

WA3HDK advised that the RAE has renewed its insurance coverage with the James Carter Insurance Co. The same coverage has been purchased for an annual premium of about \$70.00.

There was no old business when called for by K3UPC.

Under new business, K3VXE made a motion, "that the RAE establish a \$25.00 prepaid account with the Addressograph-Multigrath Co. and further only the QUA-RAE editors or WA3HDK can purchase supplies from this account." This motion was seconded by WA3GIV, was voted on and carried.

W3ZLO informed members of a program started by Motorola Co. called "Radio Watch". This program is to assist local authorities as "eyes and ears" through the use of radio communications. Ray Derr of the City Police is trying to initiate this program for Erie. After much discussion, a motion was made by W3ZLO, "instructing the secretary to draft a letter to Mr. Derr giving him our support in his endeavor." Further, the secretary was instructed to send letters of appreciation to both Mr. Derr and Mr. Trimble for their fine presentation at the January activities meeting. This motion was seconded by WA3HDK, was voted on and carried.

WA3HSR reminded members of the ARRL DX Contest on February 6 and 7. The RAE is participating this year and will be operating from the EOC on permission from W3KPM. Operators and loggers are needed and all those who wish to participate are to contact K3VLP, WA3HSR, or K3VXE.

WA3LSY, Rick Robishaw, reported that Captain Bobbie Pruitt of the Marine Reserve Center, is interested in having the RAE participate in the Marine drills, etc. Rick is to check into this further and report back to membership.

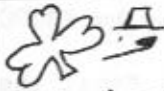
No bills were turned in for disposition.

15 members and 1 guest were present.

A motion for adjournment was made at 9:50 PM by WA3GIV, seconded by K3VLP, was voted on and carried.

Respectfully submitted,
Chuck Manross, WA3KAI, Secy. RAE

WANT TO GET IN ON THE ACTION ? WHY NOT COME TO THE RAE BUSINESS MEETINGS AND PARTICIPATE
IN THE OPERATION OF YOUR RADIO CLUB. THE VOICE OF THE MEMBERSHIP CAN BE HEARD THERE !!!

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
NETS	MARCH			RAE BUSINESS		RAE IN ARRL FONE
28	1	2	3	8:00PM 4	5	6
NETS RAE IN ARRL FONE						
7	8	9	10	11	12	13
NETS				RAE ACTIVITIES FACSIMILE TALK		RAE IN ARRL CW
14	15	16	ERIN GO BRAH 17	8:00PM 18	19	20
NETS RAE IN ARRL CW				SORRY ABOUT THAT		P
21	22	23	24	25	26	27
NETS				APRIL		
28	29	30	31	 APRIL FOOL 1	2	3

MARCH, 1971

The month of March, according to tradition, comes in like a lion. This year's lion will take the form of the second weekend of the ARRL DX Phone Contest and arrive one week late. During the first weekend, the RAE scored about 42,000 points in its first attempt at such a contest and hopes are to beat that score by many times over this weekend. The 4-element beam on 10 meters will be available during the entire weekend and all we need is Mother Nature to cooperate with some good propagation conditions. If you would like to operate or log or just come out and look the site over, we'll be there the ENTIRE 48 hour period. The EOC is located on Wagner road, just west of I-79. This year's lion will likewise be around most of the month taking the form of the Activities Meeting on March 25. This meeting will feature Ron Jakubowski, K3VXE and Chuck Smith, W3ZLO, two of the areas top two meter enthusiasts, giving a discussion and answering questions about facsimile transmission. This mode of transmission appears to have little activity locally, but is always interesting to contemplate. Ron and Chuck hope to possibly spark some local interest along with clearing up some misconceptions and puzzling problems in this area. Facsimile is the transmission of pictures much like Slow-Scan TV. All in all, this meeting should be both informative and enlightening. You will be notified via the NETS and Sunday column as to the location. This month's lion will again be active during the second weekend of the ARRL DX CW Contest. Last month, due to the lack of good CW ops, only 2000 points were managed. This will indeed improve. Don't forget about next month's AUCTION on the 17th at St. George's church auditorium in Kearsarge. You will be getting a flyer shortly. Field Day plans are also outlined in this issue so keep June 26 and 27 open for that, and don't forget to sign up for your choice of bands. The lion won't do much sleeping around Erie this month.

SOME THINGS YOU ALWAYS WANTED TO KNOW ABOUT ECARS--The East Coast Amateur Radio Service

The East Coast Amateur Radio Service is a net that keeps the calling frequency of 7255 open every day from band opening to band closing. Like many nets, it is run like a club with dues of \$3 per year to pay for the MONITOR, a monthly newsletter. Here are some questions and answers that appeared in the March '69 edition of the MONITOR.

WHY QSY FROM THE NET FREQUENCY OF 7255 DURING INTERFERENCE?

If the interference is deliberate, the move will show this fact to the FCC monitors, especially if the interfering station follows. If the interference is not deliberate, like a foreign short-wave station, the net should QSY far enough from the interfering signal in order to conduct operations properly. The net will always try to operate on or nearest to 7255, but if that frequency is in use by non-net activity, get in the habit of tuning within 3 kHz for the NCS. Under extreme jamming conditions, look for the net on two frequencies near 7255 conducting a simultaneous operation and check into whichever control station is not being jammed.

WHY NOT RIDICULE A DELIBERATE JAMMING STATION OVER THE AIR?

Unidentified comments to a jamming station prevents the FCC from legally determining the injured party regardless of how obvious it may be to all concerned. This only delays and prolongs any action the FCC could otherwise take concerning a station causing deliberate interference. If a station is engaged in deliberate jamming tactics, derogatory remarks only add fuel to the fire since a reaction is generally what the jammer is trying to obtain and is one of the main reasons for his jamming.

WHY NOT JUST TURN OFF THE RIG WHEN JAMMING OCCURS; LIFE IS TOO SHORT TO BE BOTHERED AND IT'S JUST A HOBBY, ETC.....

With the proper attitude, jamming or adverse conditions can become a challenge to overcome rather than a frustrating experience. The operator who gets bothered and flustered under conditions beyond his control needs this experience the most. Conditions are very rarely ideal during an emergency situation. The operators who can work around the jammer, participate in net operations during difficult band conditions, and greet all obstacles as challenges rather than headaches will be the ones to gain by the experience and have the most to offer the entire operation.

WHY HANDLE TRIVIAL TRAFFIC AND SHORT-HAUL PHONE PATCHES?

The handling of any type of traffic, oral or written, serves as training for that time when an emergency actually exists. There are very few actual emergencies and the experience gained from passing trivial traffic enables the operator to know what to do when the big one comes along.

Will never forget the night about two years ago when a weak mobile went up and down the 40 meter band trying to break into various roundtables without success. Finally a roundtable I was in heard him. With about five stations around the country getting a word or two we finally found that he was calling from a small town in the middle west that had been nearly wiped out by a hurricane. A station in Minneapolis arranged a patch into Red Cross headquarters and help, in the form of bedding, food, portable generators and the like was dispatched to the town. If Eastcars and Midcars had been in existence at the time, an hour or so could probably have been saved. So you never know.

***** 1971 RAE MEMBERSHIP *****

The following is a list of the RAE members for 1971. The list is official as of February 25, 1971. The mailing list of the QUA-RAE will consist of these people plus enough complementary copies to meet the required minimum of 200 for bulk mailing. If your call does not appear below and you feel that it should, please contact WA3HSR at once. If an error has been made, we want to correct it immediately. Thank you for your support.

K3AER	WA3HGX	K3LQN	K3QJE
W3ALD	WA3HJC	WA3LSY	W3QN
WA3ANA	W3HLM	WN3LYK	W3QVS
K3ATZ	WA3HRH	WA3MAU	W3RLJ
WB5AUS	WA3HRJ	W3MCM	W3SLC
K3AXS	WA3HSR	W3MED	W3SN
W3BBO	W3HTD	W3MJV	W3STK
WA3BDT	W4ID	WA3MKA	Mohammed ElSherbiny
W8BKM	W7IKZ	WA3MKT	W3TPW
K3BTP	WA3ISN	WA3MOG	W3UCZ
W3BVM	Raymond Hool	WA3MPX	K3UIK
WA3COS	WA3JIS	K3NAU	W8UMS
WA8CWC	WA3KAI	W3NFM	K3QPC
W3DKL	K3KAP	W3NXX	W3VHP
Cathy Dickey	WA3KAZ	K8OHL	K3VLP
WA3EAY	W3KFH	WA3OOM	K3VRM
W3EPC	K3KJN	K3PCI	K3VXE
WA3EUF	W3KLD	WA3PFL	W3WDK
WA3EYM	W5KLV	W3PIX	K3WOL
WA9EZP	W3KPE	W3PJD	W3YWL
WA3EZR	W3KPM	W7PJJ	W3ZLO
WA3GIV	W8LAC	WA3PJL	W3ZB
WA3GMN	W3LKH	WN3PVU	K3ZGG
W8GR	W3LKJ	K3QAY	Ed Zajic
WA3HDK	W3LMK	WN3QAY	W8BID
K3HFL	W3LOS	K3QET	W3KPJ

Complementary copies of the QUA-RAE are mailed monthly to the SEC, SCM, Director and Vice-director, as well as to the local newspapers and news media. A copy of the current issue is usually available at any of the local electronics distributors and other stores. If you don't see the call of a friend, tell him about it, and get him to join up. These calls will appear in the main publication of the RAE Directory, with supplements as new memberships warrant. Reciprocal club news bulletin exchange is carried out between the RAE and 7 other clubs in the vicinity. The latest copies of these can be seen at the RAE business meetings on the first Thursday of each month. We would like to encourage all members of the RAE to try and get non-members to join. Remember too, that as an RAE member, you are invited to take advantage of the many and diversified activities we offer. Also, if you ever feel like writing an article for the QUA-RAE, don't put it off until the next month. The RAE will issue an award at the dinner banquet in October to the non-staff person who has contributed the most articles during the year. Don't let anything stop you from getting that award. It will look good in every shack. Submit anything; Strays, technical articles, band condition reports or just spout off about anything you like. Try and submit the article by the 20th of the month for the following months issue. Don't COP OUT! Become a part of the Reliable Amateurs of Erie. GET THAT AWARD.

 ***** ARRL FIELD DAY *****
 DE WA3HSR

This year's Field Day will fall on June 26 and 27. Last year, the RAE scored a total of 7302 points. This doesn't sound too bad until one realizes that W3GV had 8 transmitters operating! Some of last years station produced only a total of 15 or 20 contacts for the ENTIRE 24 hour period. This year, some revision is necessary.

The RAE will operate on the following bands during Field Day:

75 Meter SSB - Last year 291 QSOs
 40 Meter SSB - Last year 406 QSOs
 20 Meter SSB - Last year 100 QSOs
 6 Meter SSB - Last year 100 QSOs
 NOVICE STATION

It will be our attempt, this year, to concentrate on the above bands rather than spread ourselves too thin over the spectrum. We need operators and logger for all of the stations. Anyone who wants to participate in the Field Day exercise is asked to contact WA3HSR. There has also been some criticism for the lack of a CW station. It is my belief, at least, that there are few CW operators in The Erie area that could stand up to the rigors of Field Day contacts. If there are any CW buffs who would like to get out and prove me wrong, lets hear from you. We would like a CW station there, if we can have some capable operators.

The FD exercises will again be held at the Civil Defense Farm on Route 86, south of Erie. This location provides the RAE with one of the highest locations in Erie County and a clear shot in all directions. The RAE COM Truck will again make the scene along with the new van of WA3HDK's. This year should prove to be the most successful FD ever for the RAE. We have to go there with the attitude of confidence and leave with the pride of a job well done. We will have a decision at the RAE Business meeting of whether to operate the 24 or 27 hour period as soon as this year's FD rules are published. All area novices are invited to join in the fun and gain some valuable experience in operating. The Novice station last year handled quite a load. We hope that there are still some contest buff Novices around. Don't forget - FIELD DAY WITH W3GV - - JOIN THE ACTION!

 ***** TRANSMITTER HUNTS *****

As promised back in December, the monthly transmitter hunts will resume this month. The hunts will be held on the thire Sunday of each month starting at 6:30 PM local time. The hunts will be on 10, 6 and possibly 2-FM. The scoring for the hunts will be continued and the top point getter on each band will receive a special award at the Dinner Banquet in October. The complete rules appear in December, 1970 QUA-RAE. It is hoped that with the arrival af decent weather, we will gather a decent turnout. The mobile rig should be already sharp from the SET so keep it in shape with a monthly test. You never know when that real emergency will strike.

This month's hunt will be on the 21st. The hidden transmitters have not yet been decided upon, but you will be kept informed through the Sunday column in the newspaper and the local nets on Sunday evenings. Lets try and make thes hunts an even bigger and better success than they have been in the past.

TRANSMITTER HUNTS EACH MONTH ON THE THIRD SUNDAY - JOIN THE ACTION WITH THE RAE!

REPEAT..REPEAT..REPEAT..REPEAT..REPEATER

As of this writing, the Erie Repeater is a month old and to date has seen and heard quite a bit of activity from its location at 836 West Arlington Road.

Welcoming committee WA3GIV, W3AQY, K3VXE, and WA3FFD were on .34 the night Bing Hahn, WA3AWB, put his new Regency on the repeater and since has been heard QRZing during working hours on calls.

Feeding the repeater from this QTH has been quite rewarding. It was learned that the repeater can be keyed from Zurn Hall in downtown Erie using $1\frac{1}{2}$ watts, thanks to Dave Flinn and his Varitronics Handi-Talkie. This little powerhouse will again show up on .34 very shortly. If you catch it on, see how far away it can be worked.

The Repeater Committee is anxiously awaiting the coming of warm weather and the hard wiring of the machine so it can be situated in its new location. From that site, we should be able to hear and work mobiles from state line to state line without any trouble.

One final word...Please be sure that you sign in the proper way for logging on the tape. If you are the first one on, a 1-second carrier will start the ID. Following the ID, announce your call letters and the time, and then call your CQ, QRZ, or station. Before you sign out, give your time and the call for the tape. The tape is a "real time" machine and thus will take down any information you put on it. The log is transposed from this every night and thus if you want to leave any information on this tape, please do so. This is helpful in determining repeater coverage.

73, DE W3ZLO, Charlie

DON'T FORGET THE AUCTION--THAT'S JUST A PART OF ALL THE ACTION IN THE RAE

OTHER AREA NEWS

The Northern Chatauqua Amateur Radio Club (NCARC) reports that their repeater, W2SB, is almost fully operational. An Advanced and Extra class is now meeting at 8 PM each Monday night at the NCARC clubrooms under the direction of WB2HEJ, WB2BJN, and WA2ETM. This class is being brought about by not only the interest of the NCARC members, but also by the interest shown by several members of the local Naval Reserve unit who are potential hams. These men have arranged to attend this class as part of their reserve training.

QUA-RAE STAFF TO GIVE YEARLY AWARD

The QUA-RAE editors announce the beginning of a campaign to get more club members to participate in the QUA-RAE. All club members are asked to submit articles for publication to reflect their own interest in amateur radio. A valuable award will be given to the non-staff writer who contributes the most to the QUA-RAE in the form of feature or special articles at the October Hamfest. Copy need not be typed, but only legible. Deadlines are the 20th of the month. More information is in the Final Final.

DX FONE AND CW CONTEST-W3GV-THAT'S JUST A PART OF ALL THE ACTION IN THE RAE

***** PROPAGATION REPORT *****
Condensed from CQ-March

The propagation between the northern and southern hemispheres will be at its peak during the months of March and April. This can be accounted for when one considers that it is Spring in the north and Fall in the south. Each hemisphere will receive about the same amount and intensity of solar radiation between the transition to summer. The same type of conditions exist during the period between September and October. Good openings within the hemispheres should occur on all amateur bands between 160 and 10 meters. Although fewer east-west openings can be expected on 10 meters, the 15 and 20 meter bands will remain open longer with the increased daylight. The seasonal increase in atmospheric absorption and static levels on 40, 80 and 160 should result in fewer openings and generally poorer DX conditions. A band by band breakdown follows.

10 Meters: Expect fewer but good openings during daylight especially north-south paths. Short skip conditions may develop during the afternoon. Distances should range between 1000 and 2300 miles.

15 Meters: This band should edge out 20 for top honors this month. Good openings to most parts of the world are expected during daylight hours. Skip between the hemispheres will occur during early evening. Short skip conditions are expected to follow the same pattern as 10 meters.

20 Meters: With daylight on the increase, this band should remain open longer into the evening hours and should be the prime DX band during periods of sunrise. Good openings on north-south path are expected throughout the hours of darkness and short skip will range from 750-2300 miles mostly during daylight hours.

40 Meters: Some fair DX openings can be expected during hours of darkness. Short skip should range from 50-750 miles in daylight; and from 750-2300 miles in darkness.

80 Meters: Possible fair openings during hours of darkness with daytime short skip ranging between 50 and 250 miles increasing to 200-2300 miles at night. Seasonal rises in static levels should be very noticeable on this band.

Openings on the VHF bands will increase during March. Some Sporadic-E SS (Short skip) will range between 1000 and 1300 miles on 6 meters. Trans-equatorial (TE) scatter will also increase with distances of up to 5000 miles into South America being possible. The seasonal increase of auroral activity should also bring some added openings to the VHF bands. Daily band checking will be required to catch this type of an opening. Meteor activity during March should be negligible.

With the final two contest weekends for DX coming up, and the big CQ WPX Contest later in March, the propagation forecast should help the DX Hounds to plan their activity on the bands for the best propagation conditions. If you have any unusual band conditions to report, send them to the QUA-RAE. Help us keep readers informed.

JUNE 26 AND 27 - FIELD DAY WITH W3GV - - COM'ON - JOIN THE ACTION WITH THE RAE !

***** STRAYS *****
DE QUA-RAE STAFF

K3WOL Bill has been busy of 2-FM from his location at 16th and French. He gets good coverage along most of the lakefront.

WA3EAY Marty, new RAE member and 2 meter enthusiast, recently bought a walkie-talkie for 2 from Dave Flinn, W2CFP. Welcome to the 2 meter ranks Marty.

W2CFP Dave, in town for last months activities meeting, unloaded a carload of goodies to many local horsetraders.

WA3HSR Mike made it through February on LEEN even with receiver troubles at W3GV. NCS for next month will be K3VXE.

W3YWL Now that Doc knows where his Mini-beam is pointed, he gets into Erie with no trouble at all.

WA3MKA Carl helped out W3GV during the ARRL CW DX Contest. Carl will soon be moving again.

W8BKM Next time you see him, ask Gross what he does when he comes to town on Friday nights. How are the pot holes on State St. Gross?

WA3HDK Bob is looking foreward to the next RAE County Expedition. Maybe he'll volunteer the use of his new truck?

W3HLM Don will be trying some CW County running this summer.

WA3LSY Rick is said to have bloodshot eyes after looking for Erie County listings in the CALLBOOK.

K3VLP George got Dave, W2CFP to give up a TR-4 and DC Supply with a little bit of wheeling and dealing.

K3PLV Looking foreward to having Craig back in first place in the transmitter hunt standings. That HA-410 and Hustler do the job.

WA3HPG John is looking foreward to operating 6 meters on Field Day this year.

WA3EYM Bruce is studying police work at Case-Western Reserve.

K3LQN Mitch has been a recent and welcomed addition to the LEEN Roll Call list. Thanks for checking in Mitch.

W3KFH Harry is a monthly reader from Butler and tries to keep the RAE informed of happenings down there.

W3NEM WOW - Look at all those goodies in the Station activities column from the Erie area. Thanks for the publicity Bob.

***** STRAYS *****
(continued)

- W3HTD Lin in planning to present a discussion of his "Squeeze-keyer" at an upcoming RAE meeting.
- WA3JIS Jim has been kept busy ordering license plates for locals. Did you get yours?
- WA3GMN Peg reports much DX activity on 15 SSB during the day.
- W8UMS Howard will have to get some 2 FM equipment in his car when he comes to Erie next time. Howard reports much VHF activity in the Painsville area.
- K3KAP Jerry braved the elements and came from Corry to see and hear Dave, W2CFP.
- ECARS Want to join ECARS and receive the MONITOR? Send \$3.00 to Dave, W2CFP. Join the group that gets things done.
- W3STK Scotty reports that recent winds felled his dipole on South Hill Road. He and his XYL were also at the February meeting.
- W3BRB John is hoping that this years trip to FP8 land will be remembered better than the one two years ago.
- K3VXE Thanks go to Ron for setting up the fine arrangements for the February activities meeting. Nice going Ron.
- W3KT Take a look at page 85 of March, 1971 QST. Wish you were there in November?
- WA3GIV Fred recently "went over" his two meter rig and found he could hit the Jamestown repeater better than W3ZLO using a new antenna.
- W3WTZ Bob is one of the newest additions to the two meter ranks.

CONTRIBUTIONS TO "STRAYS" ARE WELCOMED BY YOUR QUA-RAE EDITORS.

***** SSB *****
(SALE, SWAP OR BUY)

FOR SALE: Heath "Twoer" for 2 meter AM
2 crystals included - Bradn new.
Call: Carl Straub, WA3MKA
833-1781 anytime

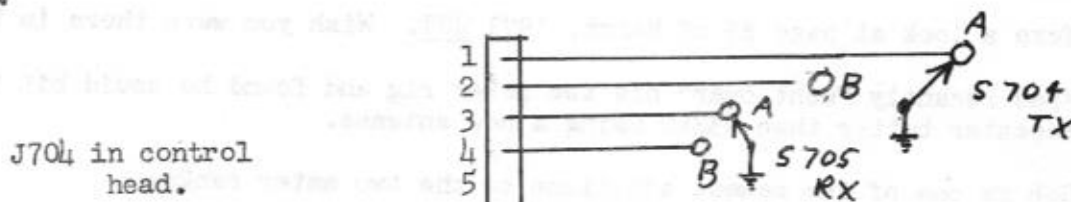
FOR SALE: Homebrew 100 Watt AM transmitter
For use on low bands
Call: Dick Michael, W3JOQ
476-7357

TECH TALK

Here is an interesting article I found in the TFM Bulletin, published by the Toronto FM Communications Society about independent channel switching for a GE Prog Line FM rig. Since there are many of these rigs in the area, I will reprint it here. DE K3VXE, Ron

Are you one of those people who have only one switch for changing channels? Apparently a large number of people do. 146.94 TX & RX are Channel A on the switch, and 146.46 TX & 147.06 RX are channel B on the switch. When VE3RPT is first turned on, the switch is in the channel B position, so the mobile does not sign through it when it ID's on 94 because he can't hear it (too lazy to throw switch). Also, repeaters in other areas running 146.46 to 146.94 would be tricky to work, because the switch would have to be changed back and forth between TX & RX. So here's how to solve the problem.

1. Remove the 2 blue-white wires on pin 4 of control plug (J502) on front panel of unit. Also remove the two brown-white wires on pin 5.
2. Unplug the RX & TX plugs from the power supply and check for continuity from one of the BLU-W leads to pin 3 on the pwr supply TX plug. Solder this lead to pin 4 of J502. This will be channel A TX lead.
3. Check for continuity from one of the BRN-W leads to pin 4 of pwr supply TX plug. Solder this lead to pin 5 of J502. This will be channel B TX lead.
4. Solder the remaining BLU-W wire to pin 6 of J502. This will be channel A RX lead.
5. Solder the remaining BRN-W wire to pin 7 of J502. This will be channel B RX lead.
6. Install two SPDT switches in the control head and wire according to the following diagram. S704 is the TX channel switch and S705 is the RX channel switch.



7. If you have a 4 freq. cable, there are no further mods. If not, you will have to run an additional 2 leads from the control head back to the unit. Connect pin 3 of J704 back to pin 6 of P502 (control cable plug). Connect the other lead from pin 4 of J704 back to pin 7 of P502.

NO OTHER CLUB CAN SERVE YOU BETTER—JOIN THE CLUB WHERE ALL THE ACTION IS—RAE

REPEATED DE W3Zed eL Oh Chuck Smith, licensee, The Erie Repeater

—QRZ 94 or 34...UH.....QRZ.....UH.....ANYBODY ON 94?

—WAIT A MINUTE, I'LL SWING MY BEAM OUT THAT WAY.....ON SECOND THOUGHT, WE
ARE ALL COMING OUT OF THAT SAME PLACE.....

continued

REPEATED, cont.

- WE WILL HAVE THE GANG UP TONITE OR I'LL TAKE YOUR I.D. TAPE OFF AND GET FRED'S WIFE TO MAKE ONE...!
- WATCH OUT FOR THAT LAST STEP, DAVE.....OOPS.....SAVE THE HANDI-TALKIE!
- ANYBODY NEED A CAT THAT IS TRAINED TO GIVE AN I.D. EVERY THREE MINUTES....?
- THAT ###&@& REPEATER IS AN AWFUL EXPENSIVE ALARM CLOCK.....
- HPOKDMUD.....DAHIDIDIT DAHDIDIT DAHDIDAH DAHDAHIDIDIT DAHDIT DAHDAHIDIT
- NEXT ONE GETS THE I.D.
- THIS IS K3VXE PORTABLE THROUGH W3ZLO AND WA2UWK.....WITH ONE AND A HALF WATTS... FROM DOWNTOWN ERIE BACK TO W2GBK MOBILE 2.....GO AHEAD, KAY.....

THE FINAL FINAL

No one can fully appreciate the ammount of work that goes into a QUA-RAE issue unless they have actually participated in it in some way. The writing, the typing, the printing, the preparation and the mailing all compromise this formidable monthly task.

The most challenging part of every issue is the printing. Bob Bair, WA3HDK, is master of the Model 81 Multilith offset press, which is set up in his ham-sized garage. Bob should know every part of that machine better than he knows his own rig--he's fixed it more times than he'd care to remember. We get more strays during a printing session than in a whole month of meetings. Talking about strays, that cat of Bob's might be deaf, but he isn't blind (in fact, I think he's a she!). He's been looking for his name in the list of contributors but has been dissappointed so far. He gets his kicks by leaving a few paw prints on the pages, however.

All kidding aside, the QUA-RAE is a lot of fun to put together, and gives us a sense of satisfaction to have it so well received by its readers. It would be a lot more fun, however, if Mike and I wouldn't be stuck with so much of the work each month. What would really help us out would be if every one of you would take time out and write an article for us.

A modification you made to your transmitter or receiver; a new idea on an old antenna, an unusual QSO or QSL; specialized modes of operation, i.e.- slow scan TV; your favorite net; or a witty poem or article--and the list can go on and on and on.

The article needn't be typewritten, but legible, and there are no restrictions on length.

At the October Hamfest, a very special award will be given to the non-staff writer who has contributed the most to the QUA-RAE, based on the decision of the staff. So sharpen your pencils and start filling our desks. Deadline is the 20th of the month or later with special arrangement. Help keep the QUA-RAE the best news bulletin--write some articles yourself. DE K3VXE, Ron

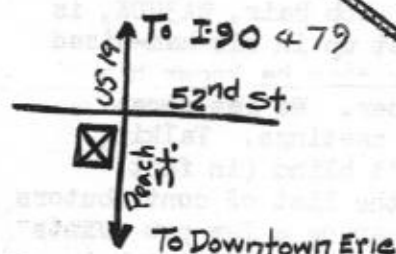
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RADIO ASSOCIATION OF ERIE
ERIE, PA.

1971
**ANNUAL
AUCTION**

SAT. APRIL 17TH

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4⁰⁰ PM to 10⁰⁰ PM



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